

## Plastic Waste Pipe and Fittings, Chrome Plated Brass Waste Pipe and Fittings, Drain Connectors, Mechanical Soil Pipe Boss Connectors, Aluminium Roof Flashing (MacFlash)

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## Introduction

McAlpine commenced manufacturing plumbing products in 1902 and in 1957 was the first United Kingdom company to manufacture plastic traps and is still a privately owned family company.

McAlpine now manufactures an exceptionally wide range of products of the highest quality for use in the United Kingdom and exports specifically designed products for use in over eighty countries worldwide.

As market leader, McAlpine has a reputation for producing innovative products determined by market conditions and customer demand.

McAlpine is a Member of the British Standards Institution, the British Plastics Federation and is an Associate Member of the Chartered Institute of Plumbing and Heating Engineers.

McAlpine is actively involved in the promotion of quality products which are available in the United Kingdom from national and independent plumbers' and builders' merchants.



## Quality Control

McAlpine operates strict quality control systems within all its factories, which are located in the West of Scotland, and is committed to the continued supply of high quality products.

## Technical Information

All information relating to plumbing regulations, installations and flow rates of traps, standards and patents has been included in the Technical Section (8) at the back of this catalogue.

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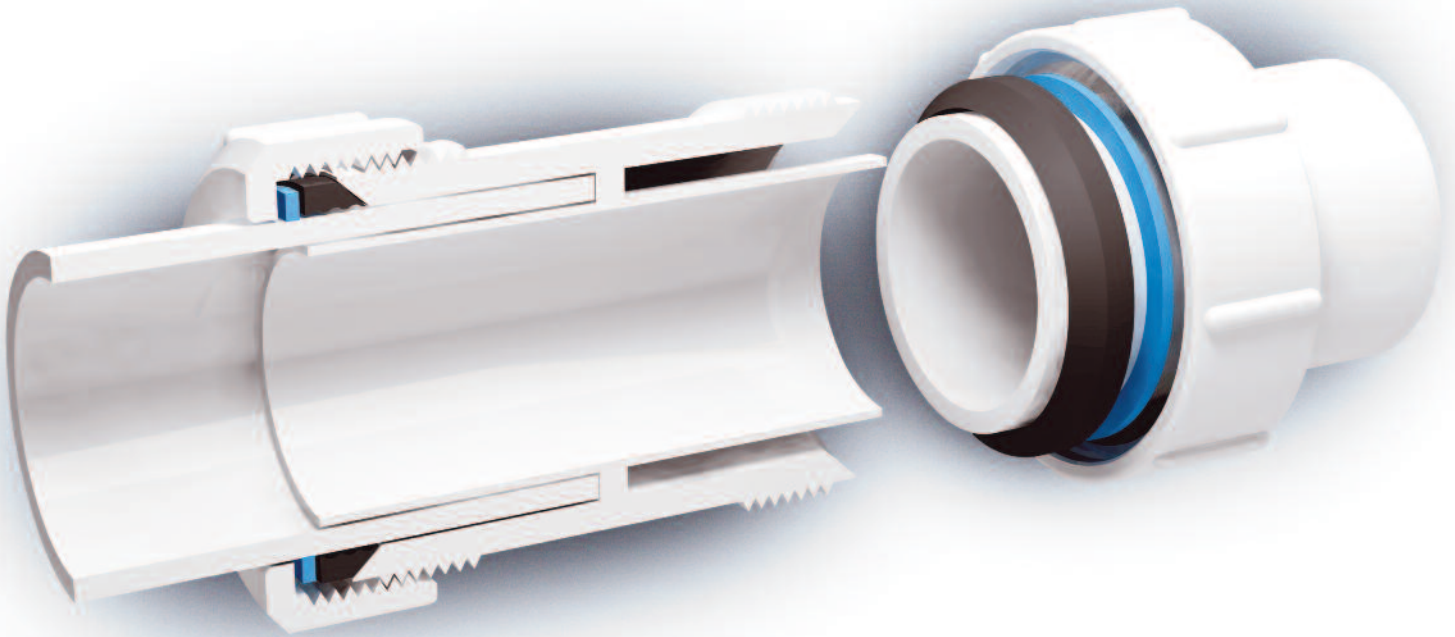
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**The company operates a policy of progressive improvements and reserves the right to alter the specification of any product without notice.**



# McAlpine Multifit

- Most McAlpine trap outlets and fittings have Multifit connections
- Multifit connections suit all plastic waste pipes to BS EN 1451-1:2000 and BS EN 1329-1:2000, copper pipe (metric or imperial) and lead pipe



## Multifit Connections

- The moulded internal sleeve of the connection, centres and supports the pipe. The Multifit and friction washers ensure a secure seal is made between the pipe and the wall of the fitting. When the compression nut is turned hand tight the best possible mechanical joint is complete
- If a plastic pipe is undersize, or out of shape, the end may require to be warmed to enable it to be pushed over the internal sleeve
- For technical reasons, it is not possible to manufacture Multifit connections on all traps and fittings. Where Multifit is not provided the description universal is applied. The only difference being that universal does not have an internal sleeve within the trap or fitting



**M'ALPINE**  
Plumbing Products

1



# Plastic Traps and Condensate Products

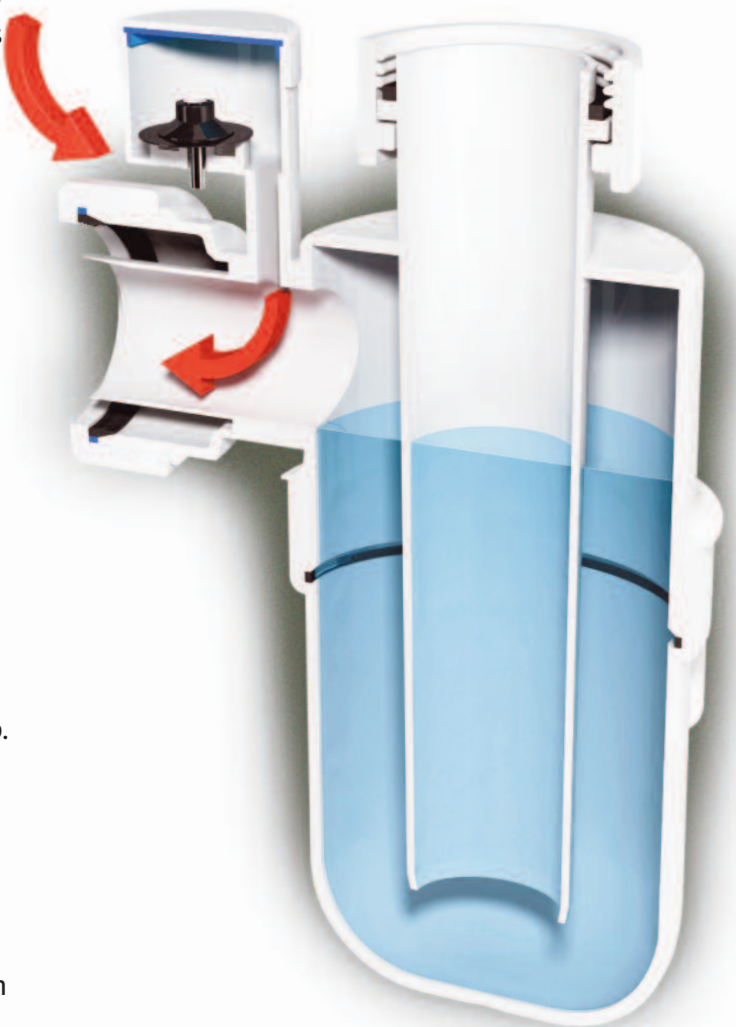
# Anti-Syphon Traps (Silenttraps)

## General

- By drawing air through the valve, the Silenttrap neutralises syphonic pressure before it reaches the seal of the trap and therefore provides the equivalent of a ventilated system without the installation of costly and unsightly ventilation pipes
- The Silenttrap has been most rigorously tested and will not unseal, even under the most abnormal conditions
- The Silenttrap should continue to be effective irrespective of the distance between the appliance and the soil pipe

## Operation

Whenever syphonic conditions develop, the negative pressure causes the valve to rise, allowing air to be drawn into the discharge pipe. The pressure is thereby neutralised before it can have any effect on the water seal within the trap. On cessation of the syphonic action, the valve closes, making the Silenttrap air and watertight.



## Advantages

- The major advantage of the Silenttrap over Resealing Traps is that because the air is drawn through the valve and not through the water seal, gurgling is eliminated and a much quieter discharge is ensured
- Eliminates the need for secondary ventilation
- Silenttrap valves are available on a wide range of Bottle, Tubular and Bath Traps
- Silenttraps allow for greater flexibility in plumbing design
- The products below simply show that the Silenttrap attachment is available on Bottle, Tubular and Bath Traps. Popular Anti-Syphon Traps are shown throughout this catalogue. All traps marked\* are available as Anti-Syphon (Silenttrap). Add suffix 'V' to code



- A report of a special investigation by the Building Research Establishment on the performance of these traps under discharge and syphonic conditions is available on request



### General

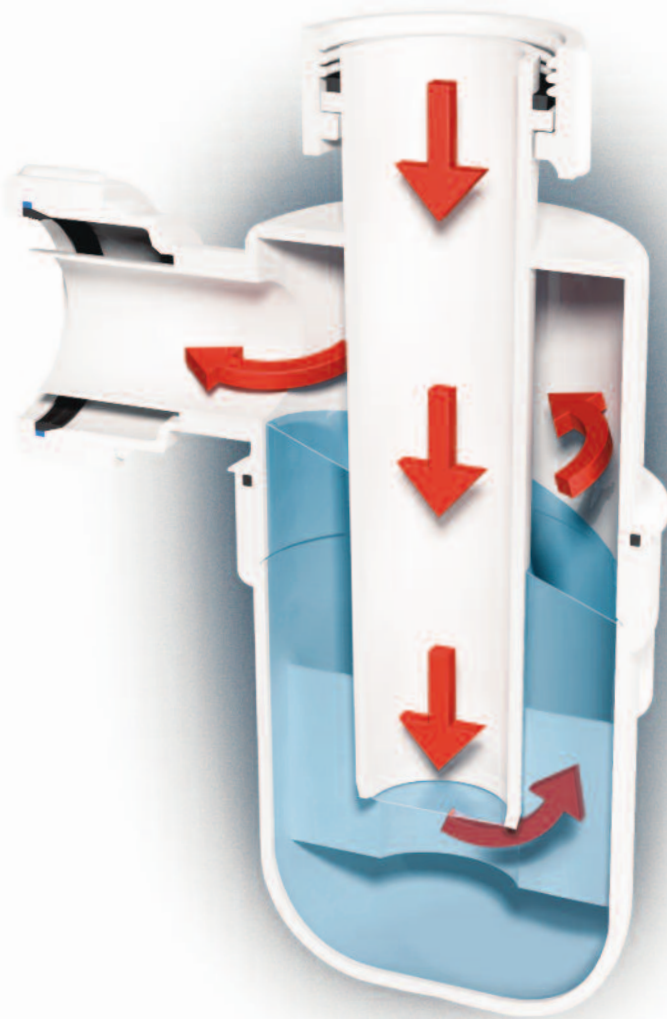
Resealing Bottle Traps are an alternative to Anti-Syphon Traps (Silenttraps) and may be used in similar circumstances.

### Operation

When the trap is subject to syphonic conditions the automatic hydraulic action allows air to be drawn through the inlet of the trap and through the bypass columns thus breaking the syphonic action. On cessation of syphonic conditions the remaining water falls back to reseal the trap. The Silentrap ventilates by drawing air through a non-return valve, whereas the Resealing Trap ventilates by drawing air through the inlet of the trap and through the water seal.

### Advantages

- The simple non-mechanical action ensures retention of adequate water seal even under extreme syphonic conditions
- Eliminates the need for secondary ventilation



1 1/4"	1 1/2"
Code	Code

#### Standard

A10R	C10R
------	------



#### Adjustable Inlet

A10AR	C10AR
-------	-------



#### Adjustable Inlet Chrome Plated

A10AR-CP	C10AR-CP
----------	----------



#### Resealing Shower Trap

Code	STW4-RB
------	---------

- Full range of Resealing Shower Traps see pages 26-28

- Bends are available for converting 'P' traps to 'S' traps see page 6

# Bottle Traps with 75mm Water Seal



1¼" Code	1½" Code
<b>Standard</b>	
<b>A10</b>	<b>C10</b>



<b>Anti-Syphon (Silentrap)</b>	
<b>A10V</b>	<b>C10V</b>



<b>Resealing</b>	
<b>A10R</b>	<b>C10R</b>



<b>Adjustable Inlet</b>	
<b>A10A</b>	<b>C10A</b>



<b>Anti-Syphon (Silentrap) Adjustable Inlet</b>	
<b>A10AV</b>	<b>C10AV</b>



<b>Resealing Adjustable Inlet</b>	
<b>A10AR</b>	<b>C10AR</b>



1¼" Code	1½" Code
<b>Adjustable Inlet</b>	
<b>AA10</b>	<b>-</b>



<b>Adjustable Inlet Basin Trap with centre pin waste</b>	
<b>AA10W</b>	<b>-</b>



<b>50mm Water Seal</b>	
<b>E10</b>	<b>-</b>



<b>38mm Water Seal</b>	
<b>-</b>	<b>G10</b>



<b>Conversion Bend to convert bottle 'P' trap to 'S' trap</b>	
<b>S1M</b>	<b>T1M</b>

## Chrome Plated Bottle Traps



1¼"	1½"
Code	Code

Resealing Trap  
Adjustable Inlet

A10AR-CP	C10AR-CP
----------	----------



Adjustable Inlet

CAA10	-
-------	---



## Anti-Syphon (Silentrap) incorporating a Silicone Valve

- The silicone valve prevents back pressure
- The Silentrap valve ensures retention of the water seal under extreme working conditions and eliminates the need for secondary ventilation
- The Silentrap valve reduces noise (gurgling) during discharge
- The silicone valve prevents foul odour or sewer gas entering the building if the water seal has evaporated which may occur due to lack of use through under occupancy
- Removable cup to facilitate easy cleaning
- Interchangeable with existing M<sup>C</sup>Alpine traps



1¼"	1½"
Code	Code

Anti-Syphon (Silentrap)  
Adjustable Inlet with  
Non-Return Valve

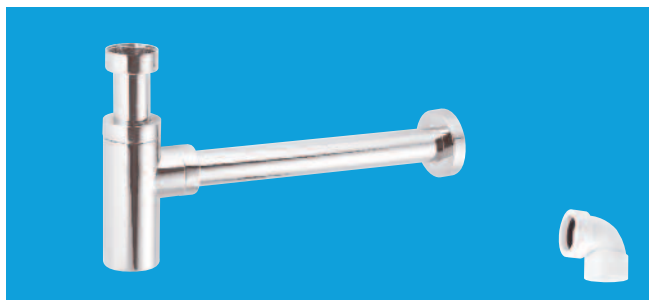
A10AV-SV	C10AV-SV
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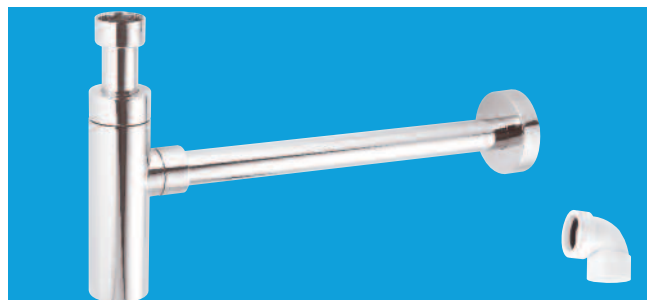
## Chrome Plated Basin Traps, Pipe and Wall Flange

- All kits except TA32UK-CB and TA32VUK-CB supplied with MS4-32SOLVENT fitting as illustrated.  
For additional fittings see pages 54 and 61
- For Chrome Plated Brass Waste Pipe and Fittings see pages 60 and 61



**1 1/4" x 50mm Water Seal Brass Adjustable Inlet Cylindrical Bottle Trap** with 12" length of 32mm OD CP brass waste pipe and wall flange

Code **CA32MINI-CB**



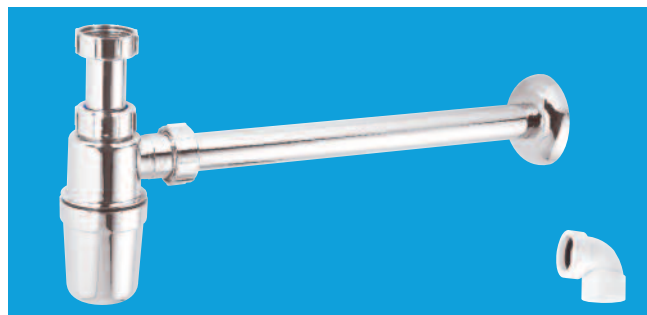
**1 1/4" x 75mm Water Seal Brass Adjustable Inlet Cylindrical Bottle Trap** with 16" length of 32mm OD CP brass waste pipe and wall flange

Code **CA32UK-CB**



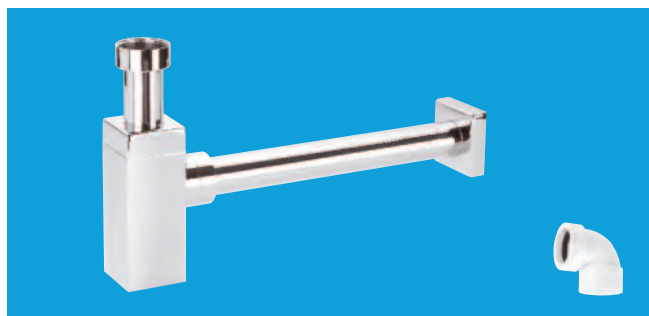
**1 1/4" x 50mm Water Seal Plastic Adjustable Inlet Tubular Anti-Syphon Trap (Silentrap)** with 12" length of 32mm OD CP brass waste pipe and wall flange

Code **TA32VUK-CB**



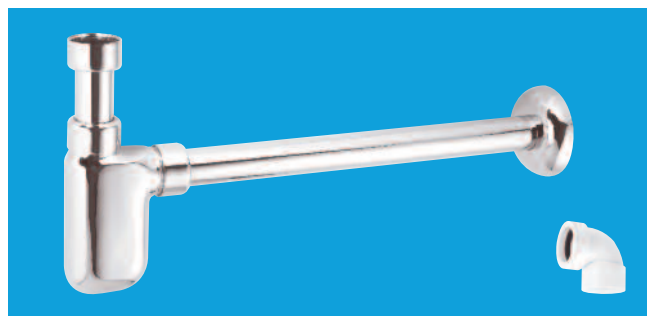
**1 1/4" x 75mm Water Seal Plastic Adjustable Inlet Bottle Trap** with 16" length of 32mm OD CP brass waste pipe and wall flange

Code **A32UK-CP**



**1 1/4" x 50mm Water Seal Brass Adjustable Inlet Square Bottle Trap** with 12" length of 32mm OD CP brass waste pipe and wall flange

Code **CA32SQUK-CB**



**1 1/4" x 75mm Water Seal Brass Adjustable Inlet Bottle Trap** with 16" length of 32mm OD CP brass waste pipe and wall flange

Code **A32UK-CB**

- Can be fitted in horizontal or vertical position
- MacValve membrane opens under water pressure to allow discharge to flow freely and then closes to form a seal to prevent foul odour or sewer gas entering the building
- MacValve can be fitted in installations where a non-return valve can be of benefit to the plumbing installation
- MacValve can be used to take the discharge from a pressure relief valve on an unvented domestic hot water storage system. Please refer to guidance notes in approved Document G3 of the Building Regulations

- MacValve having no water seal can never dry out through evaporation or lack of use of an appliance as the membrane remains sealed
- MacValve must not be used for baths or shower trays unless there is access for maintenance



**MacValve** 1 1/4" BSP female inlet nut x 1 1/4" universal compression outlet

Code **MACVALVE-1**

**MacValve** 1 1/2" BSP female inlet nut x 1 1/2" universal compression outlet

Code **MACVALVE-2**



**MacValve** 2" universal compression outlet x 2" universal compression outlet

Code **MACVALVE-4**



The **Tundish** adaptor can be cut to give a 22mm plain tail

**MacValve** 1 1/4" BSP female inlet nut x 1 1/4" universal compression outlet including Tundish adaptor 1 1/4" BSP male thread x 22mm universal inlet

Code **MACVALVE-3**

*When installed horizontally the flow arrow must be in the uppermost position*



**90° Bend** 1 1/4" female inlet nut x 1 1/4" BSP male connector

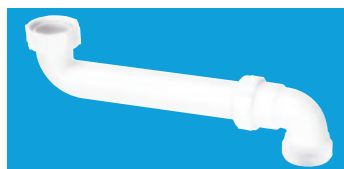
Code

**S4U\***



**90° Bend** 1 1/2" female inlet nut x 1 1/2" BSP male connector

**T4U\***



**Straight Connector** 1 1/4" BSP male thread x 1 1/4" universal compression connection

**S31U\***

**Straight Connector** 1 1/2" BSP male thread x 1 1/2" universal compression connection

**T31U\***

**1 1/2" Space Saver MacValve Inlet**

**SSINLET1**

**1 1/4" Space Saver MacValve Inlet**

**SSINLET2**

*\* S4U, T4U, S31U AND T31U FITTINGS ONLY SUITABLE FOR USE WITH MACVALVE*

*Do not pour drain cleaner down these products*

## Wash Hand Basin Space Saver with Self-Closing Waste Valve

- Designed to allow full use of storage space below the basin within the cabinet or furniture
- The internal membrane opens under water pressure to allow discharge to flow freely and then closes to form a seal to prevent foul odour or sewer gas entering the building
- The valve allows air to be drawn into the discharge waste pipe when negative pressures occur and eliminates the need for secondary ventilation to the discharge pipework. This allows for greater flexibility in the plumbing design
- The valve can be easily cleaned without having to disassemble the discharge pipework. Simply remove the split pin at the front of the valve, take out the plug and membrane and clean in hot soapy water. Reassemble and relocate the split pin in the slot provided
- The WHB self-cleaning waste valve having no water seal can never dry out through evaporation or lack of use of the basin as the membrane seal remains closed
- Overall height 62mm
- Do not pour drain cleaner down this product



1 1/4" BSP female inlet nut x 1 1/4" universal compression outlet

Code

**WHB-1**

## Tubular Traps with 75mm Water Seal



1 1/4" Code	1 1/2" Code	2" Code
----------------	----------------	------------

Swivel 'P'

SA10	SC10	SE10
------	------	------



1 1/4" Code	1 1/2" Code	2" Code
----------------	----------------	------------

Adjustable Inlet

ASA10	ASC10	ASE10
-------	-------	-------



Anti-Syphon (Silentrap)

SA10V	SC10V	SE10V
-------	-------	-------



Adjustable Inlet  
Anti-Syphon (Silentrap)

ASA10V	ASC10V	ASE10V
--------	--------	--------

# Tubular Traps with 75mm Water Seal

## SECTION 1



1¼" Code	1½" Code	2" Code
<b>Adjustable Inlet Basin Trap</b> with centre pin waste		
<b>ASA10W*</b>	-	-



<b>Low Inlet</b>		
<b>BT3*</b>	-	-



<b>50mm Water Seal</b>		
<b>BT4</b>	-	-



<b>Adjustable Inlet</b> with connection for 19/23mm pipe		
<b>ASA10-SP* ASC10-SP*</b>	-	



<b>Swivel 'S'</b>		
<b>SB10</b>	<b>SD10</b>	<b>SF10</b>



<b>All One</b>		
<b>SP10</b>	<b>TP10</b>	<b>ZP10</b>



<b>All One Anti-Syphon (Silentrap)</b>		
<b>SP10V</b>	<b>TP10V</b>	-



<b>Running 'P'</b>		
<b>SR10*</b>	<b>TR10*</b>	<b>SG10*</b>



<b>Running 'S'</b>		
<b>SS10</b>	<b>TS10</b>	<b>SH10</b>



1¼" Code	1½" Code	2" Code
<b>Running</b> suitable for most waste disposal units		
-	<b>TT10*</b>	-



<b>Running</b> with 20mm water seal		
-	<b>TRSH10</b>	-



<b>Adjustable Inlet</b> with 19mm water seal		
<b>BT1</b>	<b>BT2</b>	-



		1¼" Code
<b>Offset Basin Trap</b> with adjustable inlet and cleaning eye		
		<b>OBT1</b>
<b>Offset Anti-Syphon (Silentrap) Basin Trap</b> with adjustable inlet and removable anti-syphon valve for cleaning purposes		
		<b>OBT1V</b>



<b>Straight Through</b> with one cleaning eye		
1¼" Inlet x 1¼" outlet		<b>X10</b>
<b>Straight Through Anti- Syphon (Silentrap)</b> with one cleaning eye		
1¼" Inlet x 1¼" outlet		<b>X10V</b>
<b>Straight Through</b> with two cleaning eyes		
1¼" Inlet x 1¼" outlet		<b>X10A</b>
1¼" Inlet x 1½" outlet		<b>Y10</b>



# Domestic Appliance Traps 1½" x 75mm Water Seal

## General

- Domestic Appliance Traps provide the facility to accept the discharge from a washing and/or dishwashing machine(s) and are suitable for new and existing installations
- In all cases a blank cap, plug or blank nozzle is provided with the trap. Should the domestic appliance not be connected at the time of installation, the trap will function as a normal sink trap whilst providing an easily accessible point for the future installation of any appliance(s)

## Sink Traps with connection for the discharge from domestic appliance(s)



Code **WM1\***



Code **WM2**



Code **WM2V**



Code **WM14\***

## With Adjustable Inlet



Code **WM11\***



Code **WM12\***



Code **WM15\***



Code **ASC10-CO\***

## Standpipe Trap and Fittings



**Twin Connector** for plumbing two domestic appliance discharge hoses into standpipe trap

Code **V33WM**

- Multifit outlet to suit either 1½" or 40mm diameter standpipe
- 135° swivel nozzles for washing and/or dishwashing machine discharge hoses - supplied with blanking plugs
- Discharge hose(s) to be taken to the height stated by the appliance manufacturer(s)
- An air break, as specified by appliance manufacturers is incorporated within the connector



**Standpipe Cap** with retaining clip

Code **WM3-CAP**



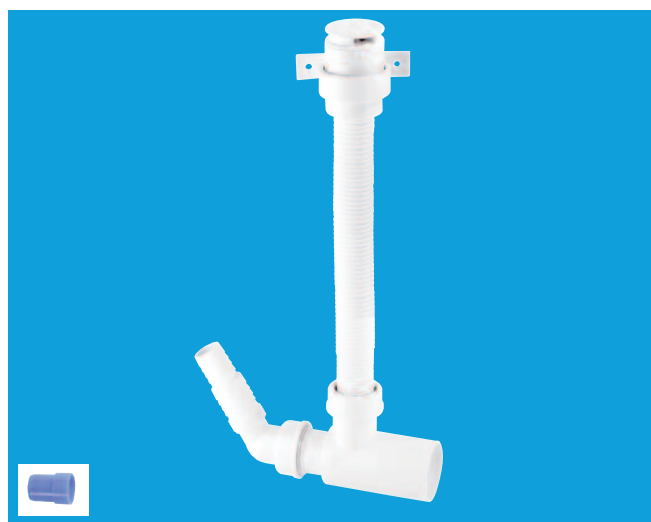
**Standpipe Trap**

Code **WM3\***

All traps marked\* available as anti-siphon (Silentrap). Add suffix 'V' to code. See page 4 for technical details

## Sink Trap with TeeVent

- The TeeVent system, which incorporates a non-return valve, provides an air break and enables the waste system to be sealed. This system has the advantage over a standpipe arrangement in that should a blockage occur, the non-return valve prevents flooding
- TV1 can be used with domestic appliance trap WM4
- All domestic appliance traps must be fitted in accordance with the fixing instruction leaflet included with each trap



Code **TV1**



Code **WM4\***

## Accessories



**Straight Nozzle** for connection to 1½" Multifit

Code **WMF3**



**90° Nozzle** for connection to 1½" Multifit

Code **WMF4**



**135° Nozzle** for connection to 1" BSP thread

Code **MA15**



**Blanking Plug** for traps and fittings

Code **228532**



**Swept Tee** BSP nut x BSP thread x nozzle for discharge hose of domestic appliance

1½" x 1½" x ¾"

Code **V33L**

1¼" x 1¼" x ¾"

Code **V34L**



**Tee Piece** BSP nut x BSP thread x 135° nozzle for discharge hose of domestic appliance

1½" x 1½" x ¾"

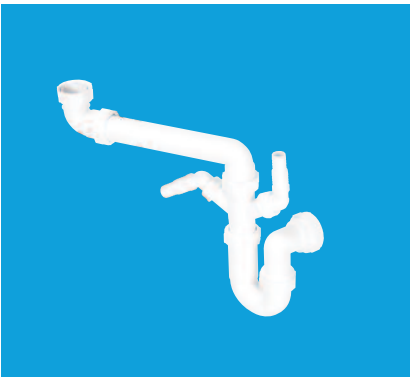
Code **V33S**

- When installing domestic appliance traps, care should be taken to observe the instructions of the manufacturer of the appliance, particularly with regard to the height of the discharge hose and the incorporation of an air break or vent to atmosphere

# Space Saver and Standard Plumbing Kits for Sinks. Plumbing

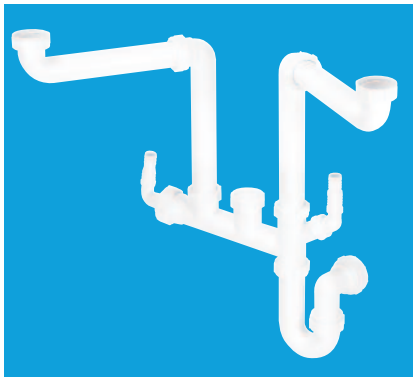
## General

- Space Saver Kits are designed to allow full use of storage space below the sink bowl(s) and are suitable for use with almost all British and European sinks
- All kits have 1½" inlet connections and the provision for the discharge hose(s) of domestic appliance(s). Also supplied with a 1½" x 75mm water seal tubular swivel 'P' trap
- Each kit is boxed individually and supplied with an illustrative drawing



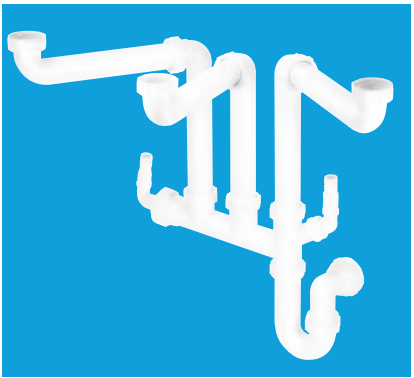
Single Bowl Kit

Code **SSK1**



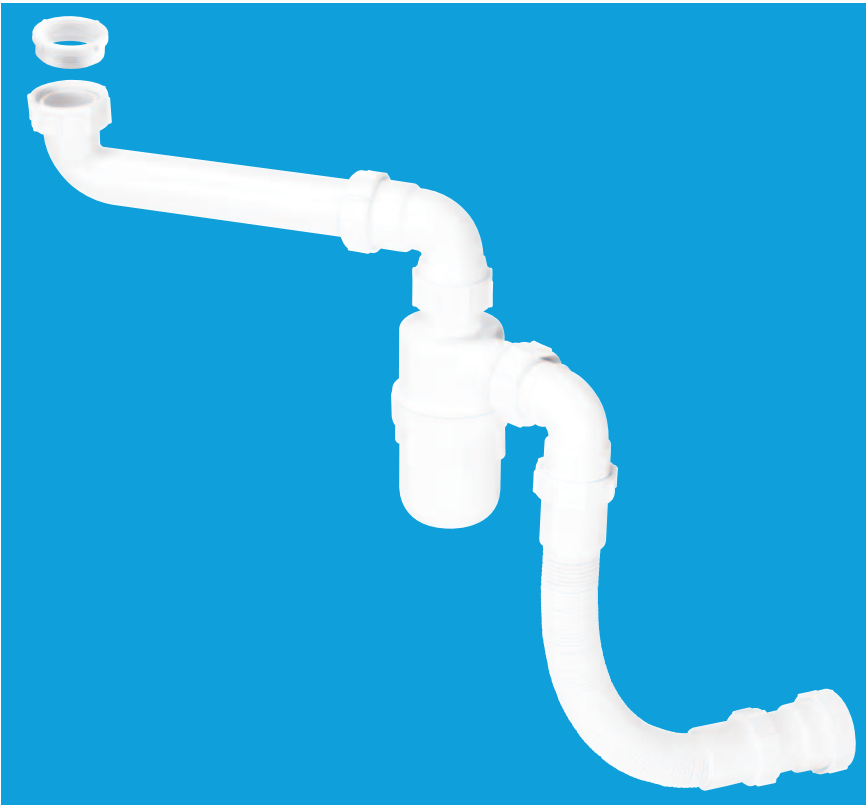
Double Bowl Kit

Code **SSK2**



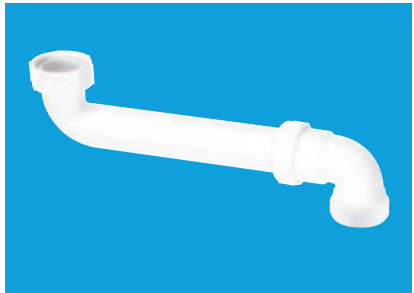
Three Bowl Kit

Code **SSK3**



1¼"/1½" Plumbing Kit for adjustable height basin or sink  
(supplied with T16 1½"/1¼" trap inlet reducer)

Code **FLEXKIT1**



1½" Space Saver Trap Inlet

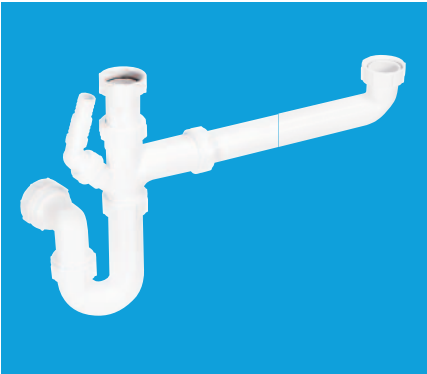
Code **SSINLET1**

1¼" Space Saver Trap Inlet

Code **SSINLET2**

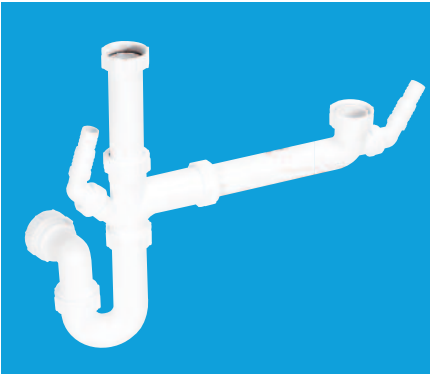
General

- Standard Kits have the provision for the discharge hose(s) of domestic appliance(s) and are suitable for use with almost all British and European sinks
- All kits have 1½" inlet connections and the provision for the discharge hose(s) of domestic appliance(s). Also supplied with a 1½" x 75mm water seal tubular swivel 'P' trap
- Each kit is supplied in a polythene bag complete with an illustrative drawing



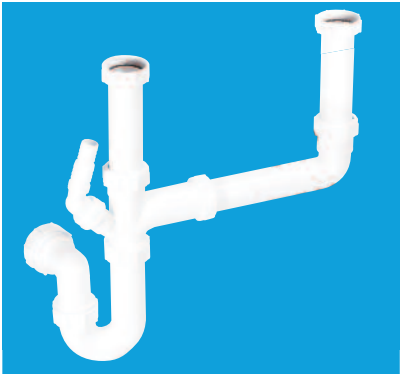
Bowl and a Half Kit

Code SK1



Bowl and a Half Kit

Code SK1A



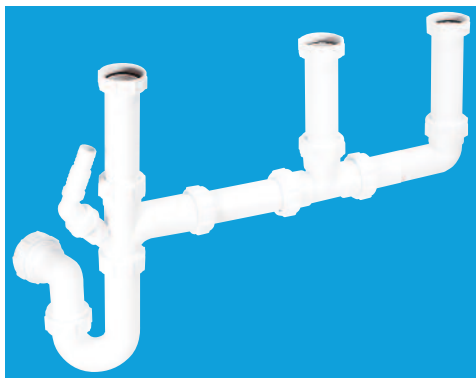
Double Bowl Kit

Code SK2



Double Bowl Kit

Code SK2A



Three Bowl Kit

Code SK3



Blanking Plug(s)  
included with all  
plumbing kits

Code 228532



Code SK1



# Condensate Products for Connecting Condensate Discharge

## Basin and Sink Traps



**1 1/4" x 75mm Water Seal Tubular Swivel Basin Trap** with adjustable inlet and connection for 19/23mm pipe. Supplied with blanking cap

Code **ASA10-SP\***



**1 1/2" x 75mm Water Seal Tubular Swivel Sink Trap** with adjustable inlet and connection for 19/23mm pipe. Supplied with blanking cap

Code **ASC10-SP\***



**1 1/2" x 75mm Water Seal Tubular Swivel Sink Trap** with adjustable inlet, nozzle for discharge hose of domestic appliance and connection for 19/23mm pipe. Supplied with blanking cap

Code **ASC10-CO\***



**19/23mm Inlet and Outlet x 75mm Water Seal Offset Trap** to receive discharge from a condensing boiler. Supplied with support clip

Code **OBT1-CO**

## Flexible Connector from Condensing Boiler to Rigid or Flexible Condensate Discharge Pipe

- Easy connection to boiler condensate discharge pipe
- Allows for disconnection in freezing conditions for discharge to be redirected into a receptacle
- Universal compression connections suitable for 19/23mm rigid pipe and 25mm flexible pipe



**200mm Flexible Connector**

Code **CONFLEX-200**

**300mm Flexible Connector**

Code **CONFLEX-300**

## Flexible Condensate Pipe Kit

- For use in installation of condensing boilers
- Eliminates use of traditional rigid discharge pipe and fittings thereby allowing complete flexibility to discharge point
- Includes fittings to allow for easy connection to sanitary pipework
- Allows for disconnection in freezing conditions for discharge to be redirected into a receptacle
- Particularly useful where installation space is restricted



Flexible Condensate Pipe Kit - contents

- 1 x 3m length of 25mm flexible pipe
- 6 x 25mm pipe clips
- 2 x straight connectors with universal compression connections suitable for 19/23mm rigid pipe and 25mm flexible pipe
- 1 x 1 1/2" plain tail ABS solvent weld reducer to 19/23mm rigid pipe and 25mm flexible pipe

Code

**CONFLEX-KIT1**

All traps marked\* available as anti-syphon (Silentrap). Add suffix 'V' to code. See page 4 for technical details

### Soakaway - Container for use with limestone chippings. External use only



**110mm x 300mm x 1¼" / 1½"**  
**Pipe top and side Inlet Connections** to receive discharge from a condensing boiler. 19/23mm x 1¼" fitting provided to increase size of discharge pipe before it passes through the external wall  
 Code **SOAK1GR**

### Auxiliary Fittings



**Pipe Clamp to suit 1¼"/1½"**  
**Pipe** to BS EN 1451-1:2000/BS EN 1329-1:2000 with universal compression connection for 19/23mm rigid pipe  
 Code (Grey) **CLAMP1GR**  
 Code (White) **CLAMP1WH**



**1½" x 1½" x 19/23mm**  
**Universal Slip Tee** with universal compression connections for 19/23mm rigid pipe  
 Code **V1MX-CO**



**In-line Vertical Non-Return Valve** with inlet and outlet connection for 19/23mm pipe  
 Code **CONVALVE**



**Straight Connector** with universal compression connections for 19/23mm rigid pipe and 25mm flexible pipe  
 Code **R1M-CO**



**50mm Tundish** with 19/23mm pipe outlet  
 Code **TUN-2**

### Mechanical Soil Pipe Boss Connectors



**Mechanical Soil Pipe Boss Connector 57mm hole saw size.** Supplied with fixing tool  
 4"/110mm x 1¼" pipe  
 Code **BOSSCONN110-BL**  
 4"/110mm x 1½" pipe  
 Code **BOSSCONN110T-BL**  
 4"/110mm x 1¼" pipe  
 Code **BOSSCONN110-GR**  
 4"/110mm x 1½" pipe  
 Code **BOSSCONN110T-GR**



**Two-Piece Cast Iron Soil Pipe Boss Connector to suit 22mm drill size.** Supplied with fixing tool  
 4"/100mm x 1¼" pipe  
 Code **BOSS110CAST-BL**  
 4"/100mm x 1½" pipe  
 Code **BOSS110TCAST-BL**  
 3½"/90mm x 1¼" pipe  
 Code **BOSS90CAST-BL**  
 3½"/90mm x 1½" pipe  
 Code **BOSS90TCAST-BL**  
 3"/82mm x 1¼" pipe  
 Code **BOSS82CAST-BL**  
 3"/82mm x 1½" pipe  
 Code **BOSS82TCAST-BL**



**Mechanical Soil and Rainwater Pipe Boss Connector** for 1¼" pipe  
 Code **BOSSCONN1.25BL**  
 Code **BOSSCONN1.25GR**



**Reducer in ABS 1¼" plain tail x 19/23mm universal compression connection**  
 Code **R16-BL**  
 Code **R16-GR**

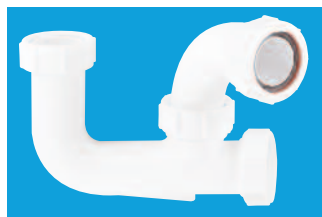


**Mechanical Soil and Rainwater Pipe Boss Connector** for 19/23mm pipe  
 Code **BOSSCONN-22MM**

For full range of Boss Connectors see page 63

# Bath Traps 75mm, 60mm, 50mm and 19mm Water Seal

## Bath Traps without Overflows



1 1/2" x 75mm Water Seal

Code **L10**



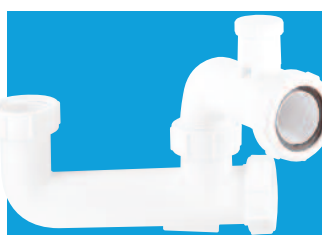
1 1/2" x 75mm Water Seal Anti-Syphon (Silentrap)

Code **L10V**



1 1/2" x 60mm Water Seal (Extended Body)

Code **SM10E**



1 1/2" x 60mm Water Seal (Extended Body) Anti-Syphon (Silentrap)

Code **SM10EV**



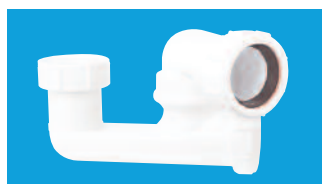
1 1/2" x 50mm Water Seal

Code **SM10**



1 1/2" x 50mm Water Seal Anti-Syphon (Silentrap)

Code **SM10V**



1 1/2" x 50mm Water Seal

Code **SMP10**



1 1/2" x 50mm Water Seal Anti-Syphon (Silentrap)

Code **SMP10V**

- For Bath Waste Outlet Fittings suitable for use with the above Traps see pages 93-95



1 1/4" x 19mm Water Seal

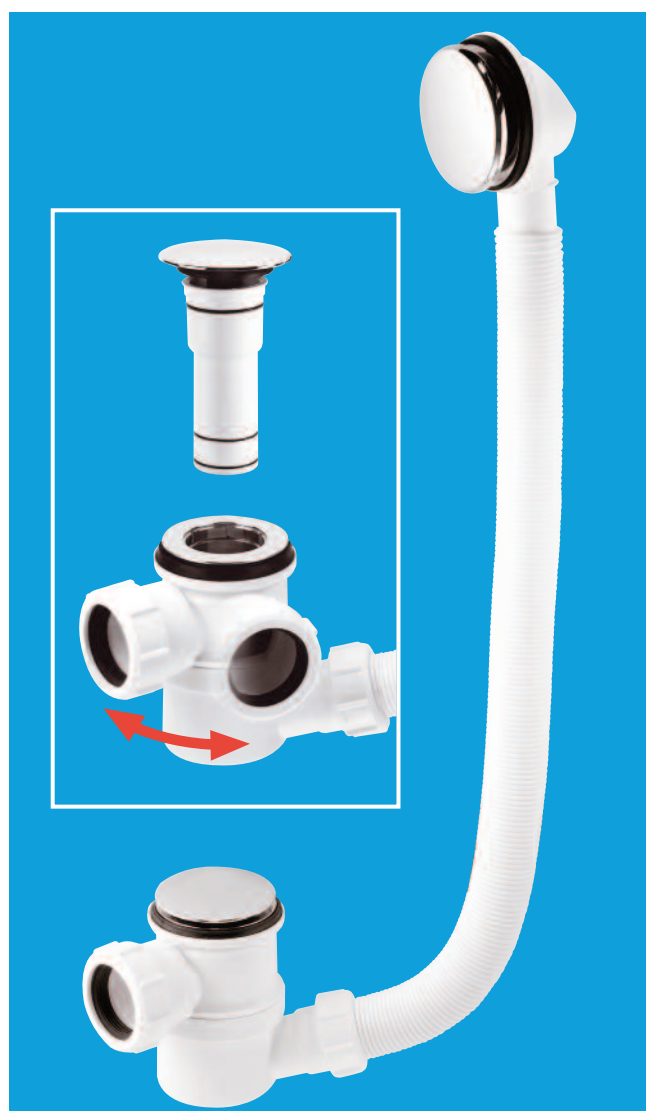
Code **P10**

1 1/2" x 19mm Water Seal

Code **Q10**

## Bath Trap with Top Access

- 1 1/2" x 50mm water seal swivel bath trap
- CP brass waste with top access and spring-loaded mushroom plug
- Matching CP mushroom plug and CP overflow face
- Adjustable flexible overflow tube length 330mm - 580mm
- Overall height of trap only 112mm
- **FOR EXTENSION KIT SEE PAGE 30**



Code

**HC2650UK**

## Bath Traps with Overflows



**1½" x 75mm Water Seal** with flexible overflow tube and CP overflow grating

Code

FJ10\*



**1½" x 75mm Water Seal** with flexible overflow tube and CP overflow grating and 70mm flange centre pin waste outlet fitting

Code

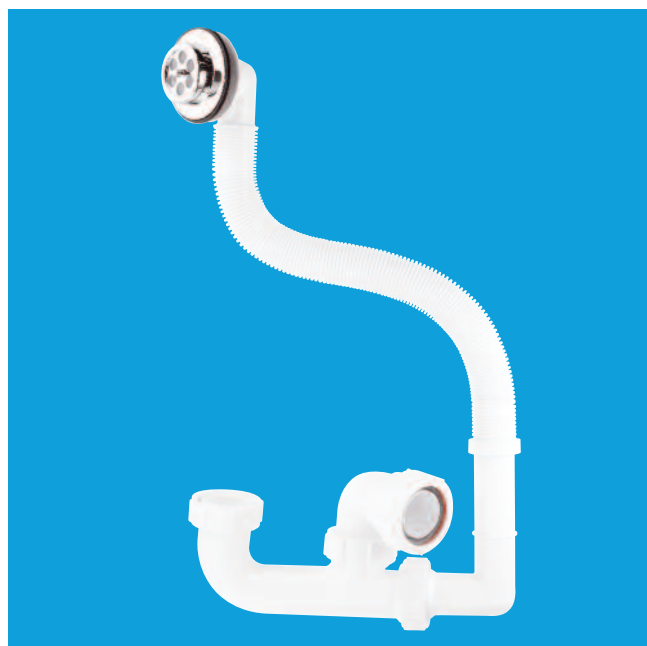
FJ10WC\*



**1½" x 60mm Water Seal (Extended Body)** with flexible overflow tube and CP overflow grating

Code

FSK10E\*



**1½" x 50mm Water Seal** with flexible overflow tube and CP overflow grating

Code

FSK10\*

■ For Bath Waste Outlet Fittings suitable for use with the above traps see page 95

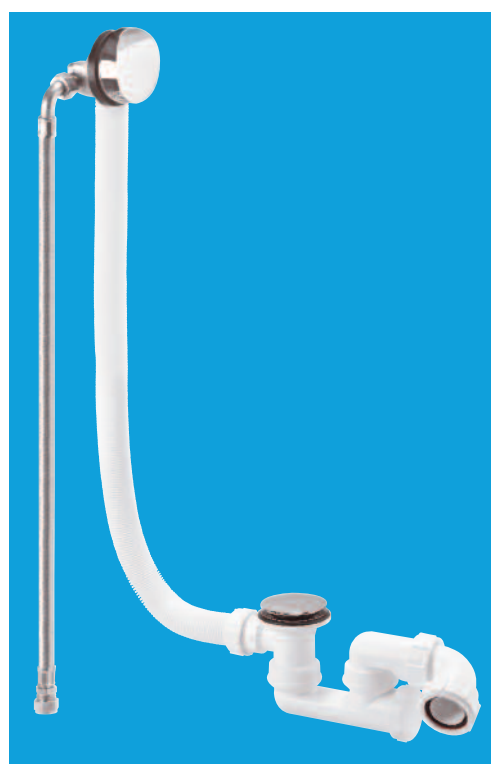
All traps marked\* available as anti-syphon (Silentrap). Add suffix 'V' to code. See page 4 for technical details



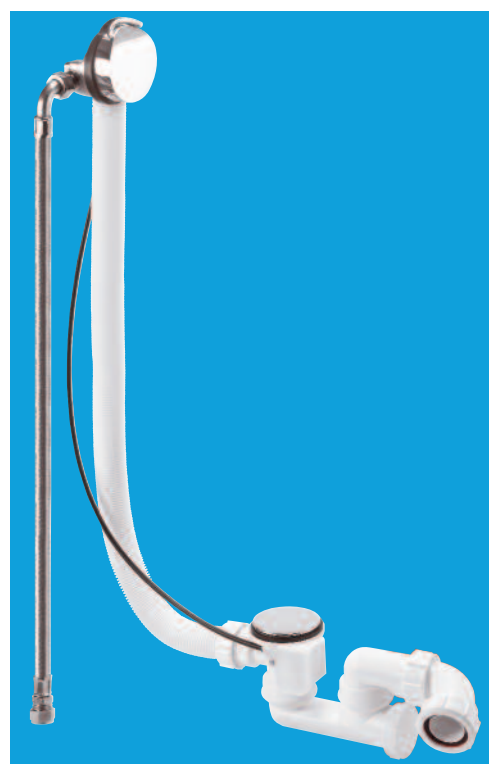
## Bath Fillers with Trap and Overflow

### General

- Filler manufactured in cast brass
- Compact filler design 70mm diameter x 25mm deep suitable for curved baths
- Will fit overflow hole size 46mm to 65mm
- 0.5 bar pressure produces 33 litres per minute  
1.0 bar pressure produces 44 litres per minute  
2.0 bar pressure produces 57 litres per minute
- **650mm WRAS approved braided hose with 90° bend**
- All traps 1½" x 50mm water seal with Multifit outlet
- Compression overflow connection to trap
- **HC2650UK-FIL** has a standard overflow length of 575mm but is available with a 1m length. Incorporates a swivel bath trap and CP brass waste with top access spring-loaded mushroom plug. Overall height 112mm
- **HCN3365UK** has a standard overflow length of 575mm but is available with a 1m length. Incorporates a CP brass waste and spring-loaded mushroom plug
- **HCN3165UK** has a standard cable and overflow length of 575mm but is available with a 1m cable and overflow. Incorporates CP brass waste and mushroom pop-up plug



Code **HCN3365UK**  
Code **HCN3365UK-1M**



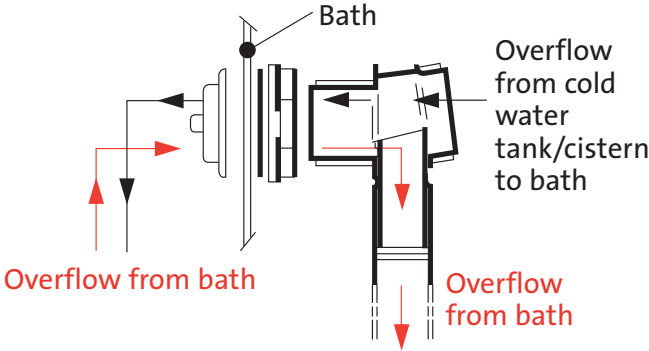
Code **HCN3165UK**  
Code **HCN3165UK-1M**

■ **FOR EXTENSION KIT SEE PAGE 30**



Code **HC2650UK-FIL**  
Code **HC2650UK-FIL-1M**





**General**

- Bath Wasteflow units enable the overflow and/or warning pipe from a cold water storage cistern and a WC flushing cistern (not fitted with an integral overflow) to be installed so that the discharge is directed into the bath via the bath overflow grating
- The construction of the Wasteflow is such that whilst acting as a conventional overflow for the bath, any overflow from a connected cistern is discharged through the overflow grating into the bath thereby providing a visible warning
- A feature of the Wasteflow design ensures that should the overflow grating be blocked, the overflow from the cistern is diverted to discharge directly into the bath trap and not

back along the overflow pipe thereby reducing the risk of flooding

- Wasteflow is also available with connection for condensate

**Advantages**

- Wasteflow is available in various forms that allow greater flexibility for the discharge of cistern overflows and condensate
- No unsightly external overflow pipes
- No damage to outside walls
- No risk of freezing
- No risk to other tenants or public

**Installation**

- Wasteflow is supplied with a choice of 50mm, 60mm or 75mm water seal trap
- Wasteflow is installed under the roll of the bath
- Wasteflow fittings shown on page 20 enable a range of connections that may be housed within the roll of the bath or if necessary extended into a duct space
- Overflow pipes connected to Wasteflow should have an adequate and continuous fall to ensure a natural gravity discharge



**Wasteflow** with pop-up waste and trap, CP brass control knob, CP stainless steel waste flange and plug

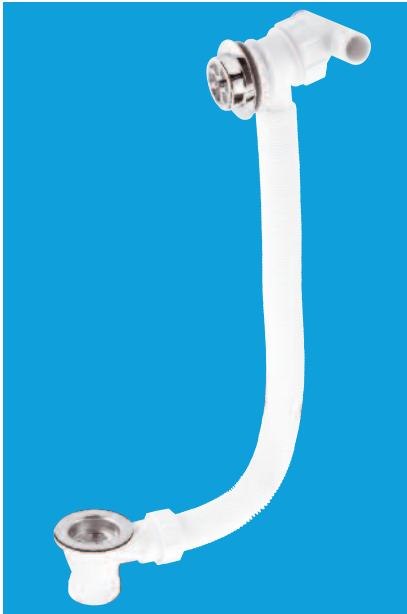
With L10 Trap      **PUWF3-CP\***



**Wasteflow** with trap

With FJ10 Trap      **FJWF1\***

- Bath Waste Outlet Fittings see page 95



**Wasteflow** with 1½" waste outlet fitting, plug, chain and two way connector

Code      **WF21**

- Wasteflow Manifolds have a 1½" BSP male thread on the inlet and will normally require an additional fitting from the list on page 22

All traps marked\* available as anti-syphon (Silentrap). Add suffix 'V' to code. See page 4 for technical details

# Overflow Manifold (Wasteflow) Chrome Plated Bath Trap with Overflow

## Wasteflow



**Wasteflow** can be fitted with R11, R12 or R15 connector (order as required) for connection to overflow warning pipe. Side inlet connection for 19/23mm condensate or condense drain

Code **WF21-SP**

## Wasteflow Fittings



**Straight Connector** 1½" loose nut x connection for 19/23mm pipe

Code **R11**



**Four Way Connector** 1½" loose nut x four connections for 19mm pipe, supplied with three plugs

Code **R12**



**ABS Adaptor** to convert 19mm connections on R12 and R15 fittings up to 23mm OD pipe

Code **R13**



**¾" In-Line Non-Return Valve**

Code **R14**



**2 Way Connector** 1½" loose nut x two connections for 19mm pipe, supplied with one plug

Code **R15**

■ See page 71 for WC Overflow Kits with Tundish

## Chrome Plated Brass Bath Traps with Combined Waste and Overflow



Trap only

**1½" x 50mm Water Seal CP Brass Trap:** 1½" CP brass combined waste and overflow with 70mm spring-loaded mushroom plug and matching overflow face

Code **BRASSTRAP-50-CP**

**1½" x 25mm Water Seal CP Brass Trap:** 1½" CP brass combined waste and overflow with 70mm spring-loaded mushroom plug and matching overflow face

Code **BRASSTRAP-25-CP**

**Trap only**

**1½" x 50mm Water Seal CP Brass Trap** x 1½" universal compression outlet

Code **BATHTRAP50-CPB**

**1½" x 25mm Water Seal CP Brass Trap** x 1½" universal compression outlet

Code **BATHTRAP25-CPB**

# 110mm x 50mm Water Seal Pushfit Traps, Urinal Bowl Syphonic Traps and Condensation Trap

## 110mm x 50mm Water Seal Pushfit Traps

**Pushfit Traps** are manufactured in high density polyethylene and the inlet and outlet sealing rings from a proven synthetic rubber compound. Pushfit traps will suit WC squatting pans, slop hoppers or similar appliances with 90-114mm plain end outlet and will connect to 110mm pipe



Code

**WCTRAP4P**



Code

**WCTRAP4S**

## Urinal Bowl Syphonic Traps

**Syphonic Traps** have inlets to suit continental style syphonic urinal bowl to create a 75mm water seal trap. Outlet to suit 2" BS EN 1329-1:2000 solvent weld pipe



**Syphonic 'P' Trap**

Code **HCUP50UK**



**Syphonic 'S' Trap**

Code **HCUS50UK**

## Condensation Trap

**Condensation Trap** has been designed as a straight socket connector for 110mm and 125mm pipe (commonly used as ducting for basic air extraction systems) and provides an internal trap/diverter which will collect condensation forming on the internal surface of the extract pipework. It allows for the connection of a 19/23mm pipe, which can be installed to drain off the condensation to a convenient position



110mm pipe

Code **CONTRAP1**

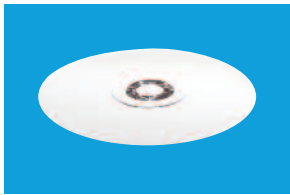
125mm pipe

Code **CONTRAP2**

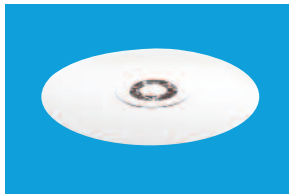


# 90mm Shower Traps with 50mm Water Seal

90mm Shower Traps with 50mm Water Seal and removable 110mm Flange to



CP Plastic Flange



CP Brass Flange



CP Brass Flange



24

90mm x 25mm Water Seal with 1 1/2" Solvent Weld Outlet Socket  
Overall height 53mm

ST90CP10-53

ST90CB10-53

ST90CPB-P-53



34

90mm x 50mm Water Seal with 1 1/2" Universal Compression Outlet  
Overall height 70mm

ST90CP10-70

ST90CB10-70

ST90CPB-P-70



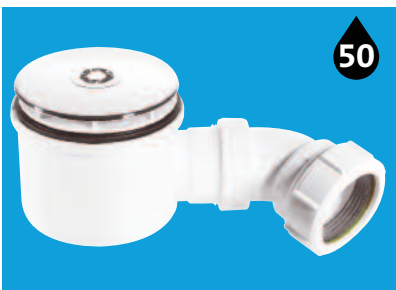
42

90mm x 50mm Water Seal with 1 1/2" Universal Compression Outlet  
Overall height 90mm

ST90CP10-HP2

ST90CB10-HP2

ST90CPB-P-HP2



50

90mm x 50mm Water Seal with 2" Universal Compression Outlet  
High-flow high-performance trap. Overall height 90mm

ST90CP10-HP

ST90CB10-HP

ST90CPB-P-HP



50

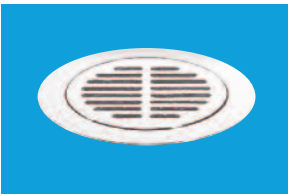
90mm x 50mm Water Seal with 2" Vertical Universal  
Compression Outlet  
Overall height 106mm

ST90CP10-V

ST90CB10-V

ST90CPB-P-V

facilitate easy cleaning



CP Brass Flange



White Plastic Flange

Flow Rates

All M<sup>C</sup>Alpine shower traps with top access surpass the minimum required flow rate when tested in accordance with clause 5 of BS EN 274-2:2002.

26

Litres per minute tested under a constant 15mm Head of Water

90mm Shower Traps with 50mm Water Seal

# 1½" Shower Traps with Top Access

## Traps with Standard Waste and Flange

- Waste grid and dip tube removable from top to facilitate easy cleaning
- 70mm or 85mm standard waste and flange - white plastic, CP plastic or CP brass
- Gold plated wastes and grids only supplied as separate items - see page 29



70mm White Plastic Flange



85mm White Plastic Flange



70mm CP Plastic Flange



**19mm Water Seal Trap with 1½" Universal Compression Outlet**  
Overall height 95mm

STW1-R

STW5-R

STW3-R



**20mm Water Seal Trap with 1½" Solvent Weld Outlet Socket**  
Overall height 65mm

-

-

**STW4-65**



**50mm Water Seal Trap with 1½" Multifit Outlet**  
Overall height 95mm

STW2-95

STW6-95

STW4-95



**50mm Water Seal Resealing Trap with 1½" Multifit Outlet**  
Overall height 118mm

STW2-R

STW6-R

STW4-R



**80mm Water Seal Resealing Trap with 1½" Multifit Outlet**  
Overall height 154mm

-

-

STW10-R



85mm CP  
Plastic Flange



70mm CP  
Brass Flange



85mm CP  
Brass Flange

STW7-R

STW3-RB

STW7-RB

-

-

-

STW8-95

STW4B-95

STW8B-95

STW8-R

STW4-RB

STW8-RB

-

-

-

#### Flow Rates

All MCApine shower traps with top access surpass the minimum required flow rate when tested in accordance with clause 5 of BS EN 274-2:2002.

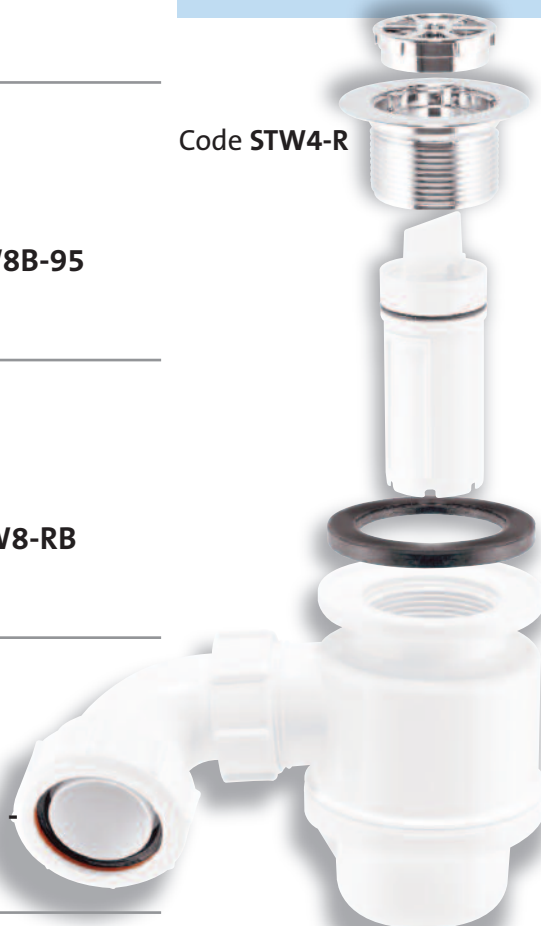
26

Litres per minute  
tested under a  
constant **15mm**  
Head of Water

52

Litres per minute  
tested under a  
constant **120mm**  
Head of Water

Code **STW4-R**



1 1/2" Shower Traps with Top Access



# 1 1/2" Shower Traps with Top Access

## Traps with Waste and Mushroom Flange

- Mushroom flange and dip tube removable from top to facilitate easy cleaning
- 70mm or 85mm mushroom flange available in white plastic or CP stainless steel complete with standard locking nut



70mm White Plastic Mushroom Flange



85mm White Plastic Mushroom Flange



70mm CP Stainless Steel Mushroom Flange



85mm CP Stainless Steel Mushroom Flange



### 19mm Water Seal Trap with 1 1/2" Universal Compression Outlet

Overall height 95mm

STW1-M

STW5-M

STW3-M

STW7-M



### 50mm Water Seal Trap with 1 1/2" Multifit Outlet

Overall height 95mm

STW2M-95

STW6M-95

STW4M-95

STW8M-95



### 50mm Water Seal Resealing Trap with 1 1/2" Multifit Outlet

Overall height 118mm

STW2-M

STW6-M

STW4-M

STW8-M

#### Flow Rates

All MCApine shower traps with top access surpass the minimum required flow rate when tested in accordance with clause 5 of BS EN 274-2:2002.

26

Litres per minute tested under a constant 15mm Head of Water

52

Litres per minute tested under a constant 120mm Head of Water

# 70mm Shower Tray and Shower Trap Accessories SECTION 1



**70mm x 25mm Water Seal Trap with Top Access: 85mm CP Stainless Steel Mushroom Flange** with 1½" BS EN 1329-1:2000 solvent weld outlet socket. Overall height 50mm

Code

**ST70SS85**

■ Only suitable for shower trays with a 70mm waste outlet

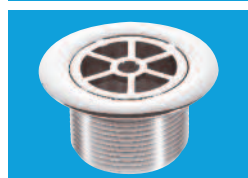
**Standard Waste** with grid to suit tray with maximum thickness of 22mm



White Plastic

**STW70WH**

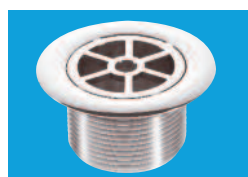
**STW85WH**



CP Plastic

**STW70CP**

**STW85CP**



CP Brass

**STW70CPB**

**STW85CPB**



GP Plastic

**STW70GP**

**STW85GP**

**Long Waste** with grid to suit tray with maximum thickness of 29mm



White Plastic

**STW70WHL**

**STW85WHL**



CP Plastic

**STW70CPL**

**STW85CPL**

**Grid only**



White Plastic

**STWGR-WH**



CP Plastic

**STWGR-CP**

**Standard Locking Nut** to suit tray with maximum thickness of 22mm



White Plastic

**STW70LN**

**STW85LN**

**Long Locking Nut** to suit tray with maximum thickness of 29mm



White Plastic

**STW70LNL**

**STW85LNL**

**Mushroom Flange**



White Plastic

**STW70WHM**

**STW85WHM**



CP Stainless Steel

**STW70SSM**

**STW85SSM**

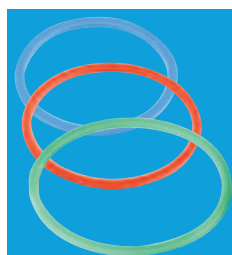
## Trap Washers, Bath and Shower Trap Accessories



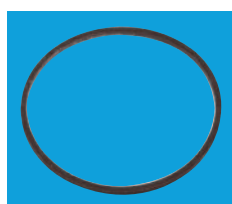
1¼" Code	1½" Code	2" Code
<b>Trap Inlet</b>		
<b>RW1</b>	<b>RW2</b>	<b>RW3</b>



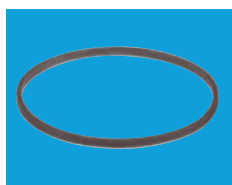
<b>Multifit Rubber Olive</b>		
<b>RWM1</b>	<b>RWM2</b>	<b>RWM3</b>



<b>Multifit Plastic Friction Washer</b>		
Blue	Red	Green
<b>PWM1</b>	<b>PWM2</b>	<b>PWM3</b>



<b>Rubber Washer</b>	
For A10 CUP	<b>ARW10</b>
For C10 CUP	<b>CRW10</b>
For E10 CUP	<b>RW3</b>



<b>Rubber Seal</b> to suit ST90 dip tube	
<b>P-RW-STW90</b>	



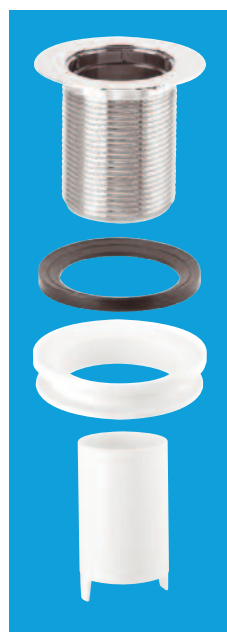
<b>Rubber 'O' Ring Seal</b> to suit STW dip tube	
<b>P-OR-SHOWERTRP</b>	



<b>Dip Tube</b> to suit STW trap	
19mm water seal	<b>STW19-TUBE</b>
50mm water seal	<b>STW50-TUBE</b>
80mm water seal	<b>STW80-TUBE</b>



<b>110mm CP Plastic Flange</b> to suit ST90CP10-70, ST90CB10-70 and ST90WH10-70 traps	
<b>ST90MECPTOP+SUPP</b>	



<b>HC2650UK Extension Kit</b> will lower the HC2650UK trap waste outlet position in a bath which has a thicker reinforced base board or frame	
<b>HC2650-EXT-KIT</b>	